

# SEARCH REQUEST FORM

Access DB# 101049

Scientific and Technical Information Center

Requester's Full Name: EISA ELMILLO Examiner #: 78424 Date: 8/8/03  
 Art Unit: 1751 Phone Number 3050217 Serial Number: 10052967  
 Mail Box and Bldg/Room Location: CP3/9D34 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need...

\*\*\*\*\*  
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: ~~MAU-III~~ ~~Lim et al~~ Primary intermediate for  
 Inventors (please provide full names): oxidative coloration of hair  
MAU-III Lim et al.

Earliest Priority Filing Date: 1/23/2001

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

*Please do search on the attached*  
*Amula (1).*

*Thank you*

*Examiner Elmillo*  
*8/8/03*

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## STAFF USE ONLY

Searcher: <u>K. Fuller</u>	Type of Search	Vendors and cost where applicable
Searcher Phone #: _____	NA Sequence (#) _____	STN <u>✓</u>
Searcher Location: _____	AA Sequence (#) _____	Dialog _____
Date Searcher Picked Up: _____	Structure (#) <u>1</u>	Questel/Orbit _____
Date Completed: <u>8/14/03</u>	Bibliographic _____	Dr.Link _____
Searcher Prep & Review Time: <u>20</u>	Litigation _____	Lexis/Nexis _____
Clerical Prep Time: _____	Fulltext _____	Sequence Systems _____
Online Time: <u>15</u>	Patent Family _____	WWW/Internet _____
	Other _____	Other (specify) _____



# STIC Search Report

EIC 1700

STIC Database Tracking Number: 101049

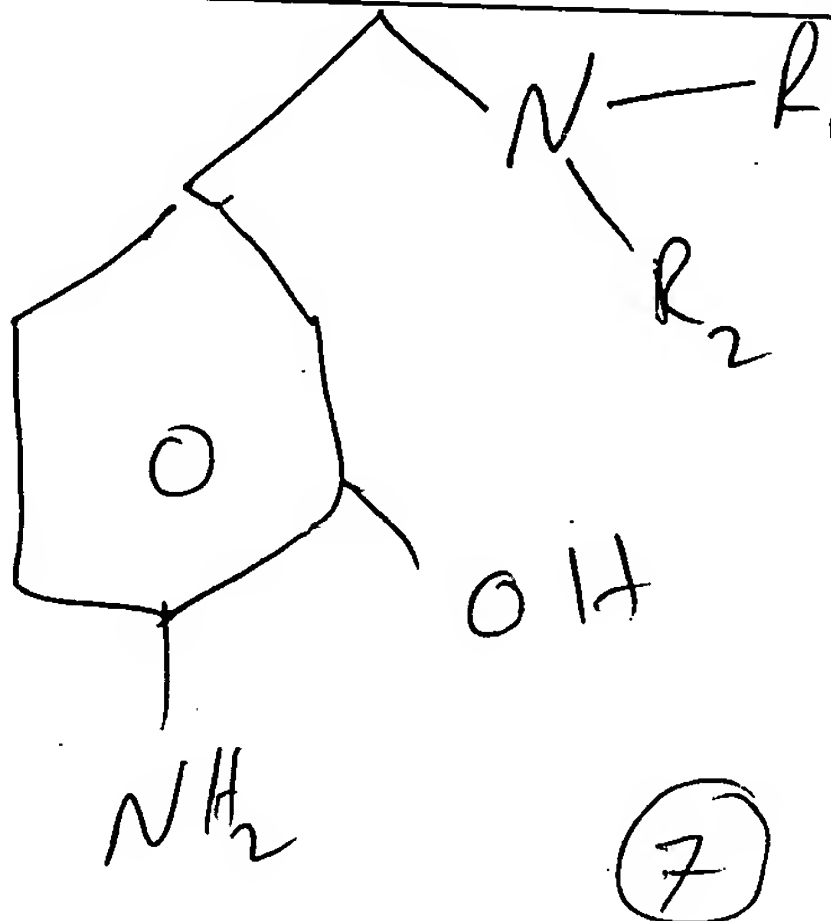
TO: Eisa Elhilo  
Location: CP3 9D34  
Art Unit : 1751  
August 14, 2003

Case Serial Number: 10/052967

From: Kathleen Fuller  
Location: EIC 1700  
CP3/4 3D62  
Phone: 308-4290

Kathleen.Fuller@uspto.gov

## Search Notes



10/052967

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# STIC Search Results Feedback Form

**EIC17000**

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Kathleen Fuller, EIC 1700 Team Leader  
308-4290, CP3/4-3D62

## Voluntary Results Feedback Form

- I am an examiner in Workgroup:  Example: 1713  
➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

- Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

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Drop off or send completed forms to STIC/EIC1700 CP3/4 3D62



=> file reg

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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9  
DICTIONARY FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> file hcaplus

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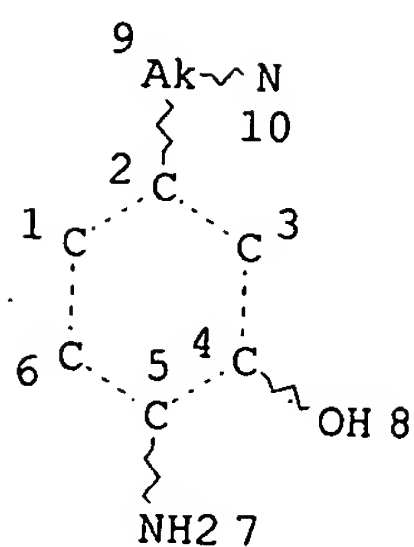
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FILE COVERS 1907 - 14 Aug 2003 VOL 139 ISS 7  
FILE LAST UPDATED: 13 Aug 2003 (20030813/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> d que

L5	SCR 403
L7	SCR 1838 AND 1993 AND 2004
L11	STR



*29 structures from the query*

## NODE ATTRIBUTES:

NSPEC IS RC AT 10  
CONNECT IS E2 RC AT 9  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

## GRAPH ATTRIBUTES:

RSPEC 1  
NUMBER OF NODES IS 10

## STEREO ATTRIBUTES: NONE

L13 SCR 1568  
L15 29 SEA FILE=REGISTRY SSS FUL L11 AND L5 AND L7 AND L13  
L16 40 SEA FILE=HCAPLUS ABB=ON L15  
L17 1 SEA FILE=HCAPLUS ABB=ON L16 AND (HAIR OR KERAT?)

=> d l17 all hitstr

*1 CA reference on utility  
applicant*

L17 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN  
AN 2002:574887 HCAPLUS  
DN 137:129539  
TI Primary intermediates for oxidative coloration of hair  
IN Lim, Mu-Ill; Pan, Yuh-Guo  
PA Clairol Incorporated, USA  
SO PCT Int. Appl., 48 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
IC ICM A61K007-13  
CC 62-3 (Essential Oils and Cosmetics)  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002058654	A1	20020801	WO 2002-US1533	20020118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002144359	A1	20021010	US 2002-52967	20020118



PRAI US 2001-263588P P 20010123

OS MARPAT 137:129539

AB Primary intermediates for hair coloring compns. for oxidative dyeing of hair are 2-amino-5-aminomethylphenols. Hair dye compns. contained, e.g., 2-amino-5-phenylaminomethylphenol and 2-aminophenol.

ST hair dye primary intermediate oxidn amino phenol

IT Oxidizing agents

(2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of hair)

IT Hair preparations

(dyes; 2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of hair)

IT Amination

(reductive; 2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of hair)

IT 90-15-3, 1-Naphthol 95-55-6, 2-Aminophenol 95-70-5,  
2-Methylbenzene-1,4-diamine 95-88-5, 4-Chlorobenzene-1,3-diol  
106-50-3, p-Phenylenediamine, biological studies 108-46-3, Resorcinol,  
biological studies 123-30-8, 4-Aminophenol 150-75-4,  
4-Methylaminophenol 591-27-5, 3-Aminophenol 608-25-3,  
2-Methylbenzene-1,3-diol 1004-74-6, Pyrimidinetetramine 2380-86-1,  
1H-Indol-6-ol 2835-95-2, 5-Amino-2-methylphenol 2835-98-5,  
2-Amino-5-methylphenol 2835-99-6, 4-Amino-3-methylphenol 7469-77-4,  
2-Methyl-1-naphthol 7575-35-1 16867-03-1, 2-Aminopyridin-3-ol  
17672-22-9, 2-Amino-6-methylphenol 26021-57-8 41927-22-4,  
4-Methyl-2-phenyl-2,4-dihydro-3H-pyrazol-3-one 53222-92-7,  
3-Amino-2-methylphenol 55302-96-0, 5-(2-Hydroxyethylamino)-2-  
methylphenol 70643-19-5, 2-(2,4-Diaminophenoxy)ethanol 83763-47-7  
93841-24-8, 2-(2,5-Diaminophenyl)ethanol 94082-77-6 129697-50-3  
131311-66-5 155601-17-5 157469-54-0 220264-60-8 307493-94-3,  
3-(2,4-Diaminophenoxy)-1-propanol 329320-36-7 444169-67-9  
444169-68-0 444169-69-1 444169-70-4  
444169-71-5 444169-72-6 444169-73-7  
444169-74-8 444169-75-9

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of hair)

IT 704-13-2, 3-Hydroxy-4-nitrobenzaldehyde

RL: RCT (Reactant); RACT (Reactant or reagent)

(2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of hair)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE (1) Hurley; WO 9940093 1999 HCAPLUS

(2) Loev; Journal of Medicinal Chemistry 1985, V18(1), P24

(3) Yamane; JP 6345282 1988

IT 444169-67-9 444169-68-0 444169-69-1

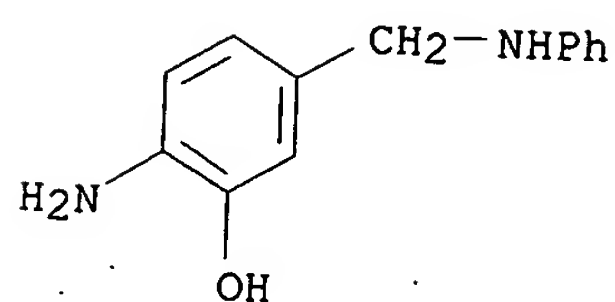
444169-70-4 444169-71-5 444169-72-6

444169-73-7 444169-74-8 444169-75-9

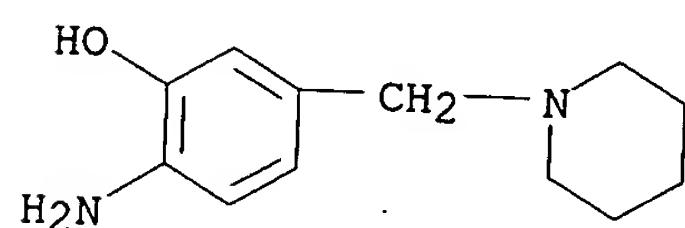
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(2-amino-5-aminomethylphenol primary intermediates for oxidative coloration of hair)

RN 444169-67-9 HCAPLUS

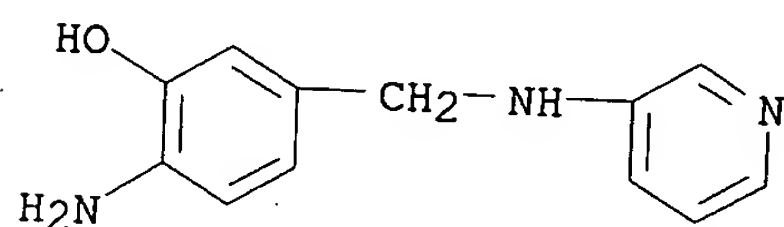
CN Phenol, 2-amino-5-[(phenylamino)methyl]- (9CI) (CA INDEX NAME)



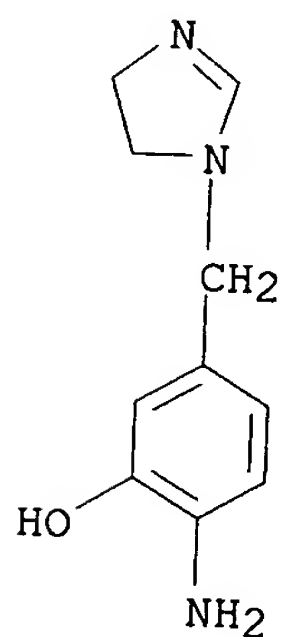
RN 444169-68-0 HCAPLUS  
CN Phenol, 2-amino-5-(1-piperidinylmethyl)- (9CI) (CA INDEX NAME)



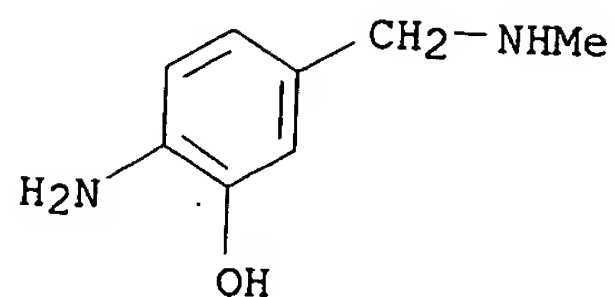
RN 444169-69-1 HCAPLUS  
CN Phenol, 2-amino-5-[(3-pyridinylamino)methyl]- (9CI) (CA INDEX NAME)



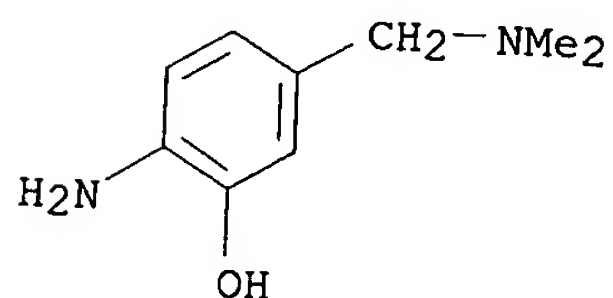
RN 444169-70-4 HCAPLUS  
CN Phenol, 2-amino-5-[(4,5-dihydro-1H-imidazol-1-yl)methyl]- (9CI) (CA INDEX NAME)



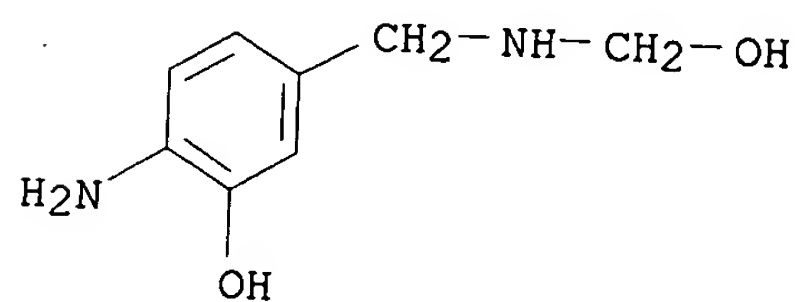
RN 444169-71-5 HCAPLUS  
CN Phenol, 2-amino-5-[(methylanilino)methyl]- (9CI) (CA INDEX NAME)



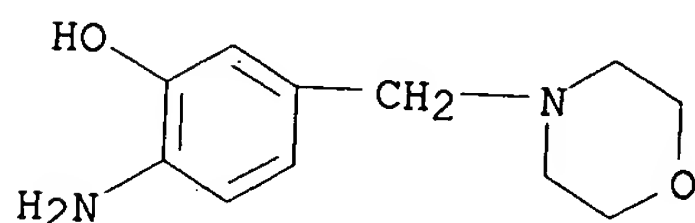
RN 444169-72-6 HCAPLUS  
CN Phenol, 2-amino-5-[(dimethylamino)methyl]- (9CI) (CA INDEX NAME)



RN 444169-73-7 HCAPLUS  
CN Phenol, 2-amino-5-[[hydroxymethyl)amino]methyl]- (9CI) (CA INDEX NAME)



RN 444169-74-8 HCAPLUS  
CN Phenol, 2-amino-5-(4-morpholinylmethyl)- (9CI) (CA INDEX NAME)



RN 444169-75-9 HCAPLUS  
CN Phenol, 2-amino-5-[(dipropylamino)methyl]- (9CI) (CA INDEX NAME)

